

## CLAIMS:

1. A method for separating a chrominance signal from a composite video baseband signal, said method comprising filtering said composite video baseband signal sequentially in any order by means of spatial comb filter means in horizontal and vertical direction and by means of field comb filter means in vertical direction and temporally to obtain said chrominance signal.

2. The method according to claim 1, wherein said composite video baseband signal is first filtered by means of at least one spatial comb filter, and wherein said spatially filtered signal is then filtered by means of a field comb filter.

3. The method according to claim 1, comprising comb filtering said composite video baseband signal spatially to obtain a first signal, delaying said composite video baseband signal and comb filtering said delayed signal spatially to obtain a second signal, and field comb filtering said first and said second signal to obtain said chrominance signal.

4. The method according to claim 1, comprising comb filtering said composite video baseband signal spatially to obtain a first signal, delaying said first signal to obtain a second signal, and field comb filtering said first and said second signal to obtain said chrominance signal.

5. The method according to claim 1, further comprising detecting a presence of motion between pictures represented by said composite video baseband signal and bypassing said field comb filtering in case of a detected motion between said pictures.

6. The method according to claim 1, further comprising separating a luminance signal from said composite video baseband signal by subtracting said obtained chrominance signal from said composite video baseband signal.

7. The method according to claim 1, further comprising separating a luminance signal from said composite video baseband signal by field comb filtering said composite video baseband signal and by subtracting said field comb filtered signal from said composite video baseband signal.

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8. The method according to claim 7, further comprising applying a peak filtering to a luminance signal resulting from said subtraction.

9. A chrominance-luminance separator for separating a chrominance signal from a composite video baseband signal, said separator comprising spatial comb filter means for filtering a signal in vertical direction and in horizontal direction and field comb filter means for filtering a signal in vertical direction and temporally, wherein a composite video baseband signal received by said chrominance-luminance separator is processed by said spatial comb filter means and said field comb filter means sequentially in any order.

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10. An image processing apparatus comprising the chrominance-luminance separator as claimed in claim 9.

11. An image processing apparatus as claimed in claim 10, characterized in that it is a TV.

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